

REMARKS

Claims 34-53 are pending in this application. Claims 34-45 are in independent form, and have been amended to define still more clearly what Applicant regards as his invention, and Claims 52 and 53 (both independent) have been added to assure Applicant of a fuller measure of protection of the scope to which he deems himself entitled.

It is noted that Claims 34-45 were previously amended (in a Response to Election-Of-Species Requirement And Second Preliminary Amendment filed September 29, 2003) as to matters of form not narrowing the scope of any claim recitation, and that Claims 47-51 were previously amended (in a Preliminary Amendment filed December 13, 2000) to eliminate multiple dependencies.

In the Office Action, Claims 34-44 and 48-51 were rejected under 35 U.S.C. § 102(e) as being anticipated by U.S. Patent 6,288,485 B1 (Takegami et al.). Claims 45-47 were rejected under 35 U.S.C. § 103(a) as being unpatentable over *Takegami* in view of U.S. Patent 6,064,125 (Stendardo et al.).

Independent Claim 34 is directed to an image display apparatus that comprises a display panel for displaying an image by irradiating a fluorescent substance with electrons from an electron source, a scanning circuit for supplying a scanning signal to the display panel, and a modulation circuit for supplying a modulation signal to the display panel. Also provided are a pulse generating circuit for generating pulse signals at a predetermined time period, and a control circuit for stopping output from the scanning circuit and/or the modulation circuit to the display panel until the pulse generating circuit

generates a predetermined number of pulse signals in starting image display by outputting a signal from the scanning circuit and/or the modulation circuit to the display panel.

Among other important features of the structure recited in Claim 34, is the active provision of a predetermined time period for stopping of output from the scanning circuit and/or the modulation circuit, by using the pulse generating circuit.

*Takegami* relates to an electron apparatus electro-emitting devices are arranged substantially linearly on a substrate, and emit electrons in response to driving signals, to irradiate a fluorescent material. Nonetheless, Applicants submit that nothing in *Takegami* would teach or suggest stopping output from a scanning circuit and/or modulation circuit to a display panel until generation by a pulse generating circuit of a predetermined number of pulse signals, or enabling output from the scanning signal and/or the modulation signal after said pulse generating circuit generates a predetermined number of pulse signals. For at least that reason, Claim 34 is believed to be clearly allowable over *Takegami*.

Independent Claim 35 is believed to be allowable for reasons similar to those relating to Claim 34.

Independent Claim 36 is directed to an image display apparatus that comprises a display panel for displaying an image by irradiating a fluorescent substance with electrons from an electron source, an acceleration potential supply circuit for supplying to the display panel an acceleration potential for accelerating electrons from the electron source, and a scanning circuit for supplying a scanning signal to the display panel. A modulation circuit supplies a modulation signal to the display panel, and a control circuit stops supply of the acceleration potential until a signal output from the scanning circuit

and/or the modulation circuit to the display panel is determined in starting image display by outputting a signal from the scanning circuit and/or the modulation circuit to the display panel.

Applicants submit that nothing in *Takegami* would teach or suggest stopping or delaying the supply of an acceleration potential during a predetermined time. For at least that reason, Claim 36 is deemed allowable, and Claim 37 is believed to be allowable for similar reasons.

Independent Claim 38 is directed to an image display apparatus that comprises a display panel for displaying an image by irradiating a fluorescent substance with electrons from an electron source, and a scanning circuit for supplying a scanning signal to the display panel. A modulation circuit supplies a modulation signal to the display panel, and a control circuit stops output from the scanning circuit and/or the modulation circuit to the display panel until a power source voltage of the scanning circuit and/or the modulation circuit reaches a desired value in starting image display by outputting a signal from the scanning circuit and/or the modulation circuit to the display panel.

Applicant submits that nothing in *Takegami* would teach or suggest stopping or delaying output from a scanning circuit and/or a modulation circuit until a power source voltage reaches a desired value, and Claim 38, as well as Claim 39, is believed to be allowable over *Takegami* for at least that reason.

Independent Claim 40 is directed to an image display apparatus that comprises a display panel for displaying an image by irradiating a fluorescent substance with electrons from an electron source, an acceleration potential supply circuit for supplying to the display panel an acceleration potential for accelerating electrons from the

electron source, a scanning circuit for supplying a scanning signal to the display panel, and a modulation circuit for supplying a modulation signal to the display panel. Also provided is a control circuit for stopping supply of the acceleration potential until a power source voltage of the scanning circuit and/or the modulation circuit reaches a desired value in starting image display by outputting a signal from the scanning circuit and/or the modulation circuit to said display panel.

Again, nothing in *Takegami* is believed to teach or suggest stopping or delaying supply of acceleration potential during a predetermined time, and Claim 40 is deemed allowable for at least that reason. Claim 41 is believed to be allowable for similar reasons.

Independent Claim 42 is directed to an image display apparatus that comprises a display panel for displaying an image by irradiating a fluorescent substance with electrons from an electron source, an acceleration potential supply circuit for supplying to the display panel an acceleration potential for accelerating electrons from the electron source, a scanning circuit for supplying a scanning signal to the display panel, and a modulation circuit for supplying a modulation signal to the display panel. A control circuit stops output of a signal from the scanning circuit and/or the modulation circuit to the display panel, and then stopping supply of power to the scanning circuit and/or the modulation circuit in turning off a power source while an image is displayed by outputting a signal from the scanning circuit and/or the modulation circuit to the display panel.

*Takegami* is not believed to teach or suggest stopping the supply of power to each circuit (scanning or modulation) after stopping output from the respective circuit, and

Claim 42, as well as Claims 43 and 44, is deemed allowable over *Takegami* for at least that reason.

Independent Claim 45 is directed to an image display apparatus that comprises a display panel for displaying an image by irradiating a fluorescent substance with electrons from an electron source, an acceleration potential supply circuit for supplying to the display panel an acceleration potential for accelerating electrons from the electron source, a scanning circuit for supplying a scanning signal to the display panel, and a modulation circuit for supplying a modulation signal to the display panel. Also provided are a first and a second power source, the first being for supplying power to the acceleration potential supply circuit scanning circuit, and/or modulation circuit, and the second, being for supplying power to the scanning circuit and/or the modulation circuit upon an abnormal state. Also provided is a control circuit for stopping output from the acceleration potential supply circuit the scanning circuit and/or the modulation circuit using the power from the second power source.

*Stendardo* relates to an arrangement provided with a UPS. Nothing has been found or pointed out in *Stendardo*, however, that would teach or suggest providing a control circuit as recited in Claim 45, which stops, using power from such UPS, output from an acceleration potential supply circuit, a scanning circuit and/or a modulation circuit. Even if *Stendardo* is combined with *Takegami*, therefore, and even assuming such combination would be a permissible one, the result would not meet the terms of Claim 45.

Each of the other independent claims contains features similar to one or another of the independent claims addressed above, and is believed allowable for the same reasons.

A review of the other art of record has failed to reveal anything which, in Applicant's opinion, would remedy the deficiencies of the art discussed above, as a reference against the independent claims herein. Those claims are therefore believed patentable over the art of record.

The other claims in this application are each dependent from one or another of the independent claims discussed above and are therefore believed patentable for the same reasons. Since each dependent claim is also deemed to define an additional aspect of the invention, however, the individual reconsideration of the patentability of each on its own merits is respectfully requested.

In view of the foregoing amendments and remarks, Applicants respectfully request favorable reconsideration and passage to issue of the present application.

Applicants' undersigned attorney may be reached in our New York Office by telephone at (212) 218-2100. All correspondence should continue to be directed to our address listed below.

Respectfully submitted,

  
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